

FILE NOTATIONS

Entered in N I D File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy N I D to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 11-10-60

OW ☒ WW TA

GW OS PA

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log 12-15-60

Electric Logs (No.) 1

E I E-I GR GR-N Micro

Lat. Mi-L Sonic Others

Radioactivity Log

R L J
Cause #35

	14	
X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Window Rock
Allottee Navajo
Lease No. 14-20-603-370

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 5, 1960

Navajo 'E'
Well No. 13-14 is located 2117 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 739 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 14

NW SW Sec. 14 41S 24E SLEW
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
White Mesa San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ above sea level is 4549 ft. ungraded ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill well to test Paradox formation at a depth of approximately 5590'.

Will set approximately 100' of 9-5/8" conductor pipe with cement circulated to surface.

Will set approximately 1300' of 7" surface pipe with cement circulated to surface.

Will set 4-1/2" casing through any commercial production encountered. 4-1/2" casing will be cemented with 250 sacks.

Verbal approval October 4, 1960 by C. B. Feight and R. B. Krah1

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer 'G'

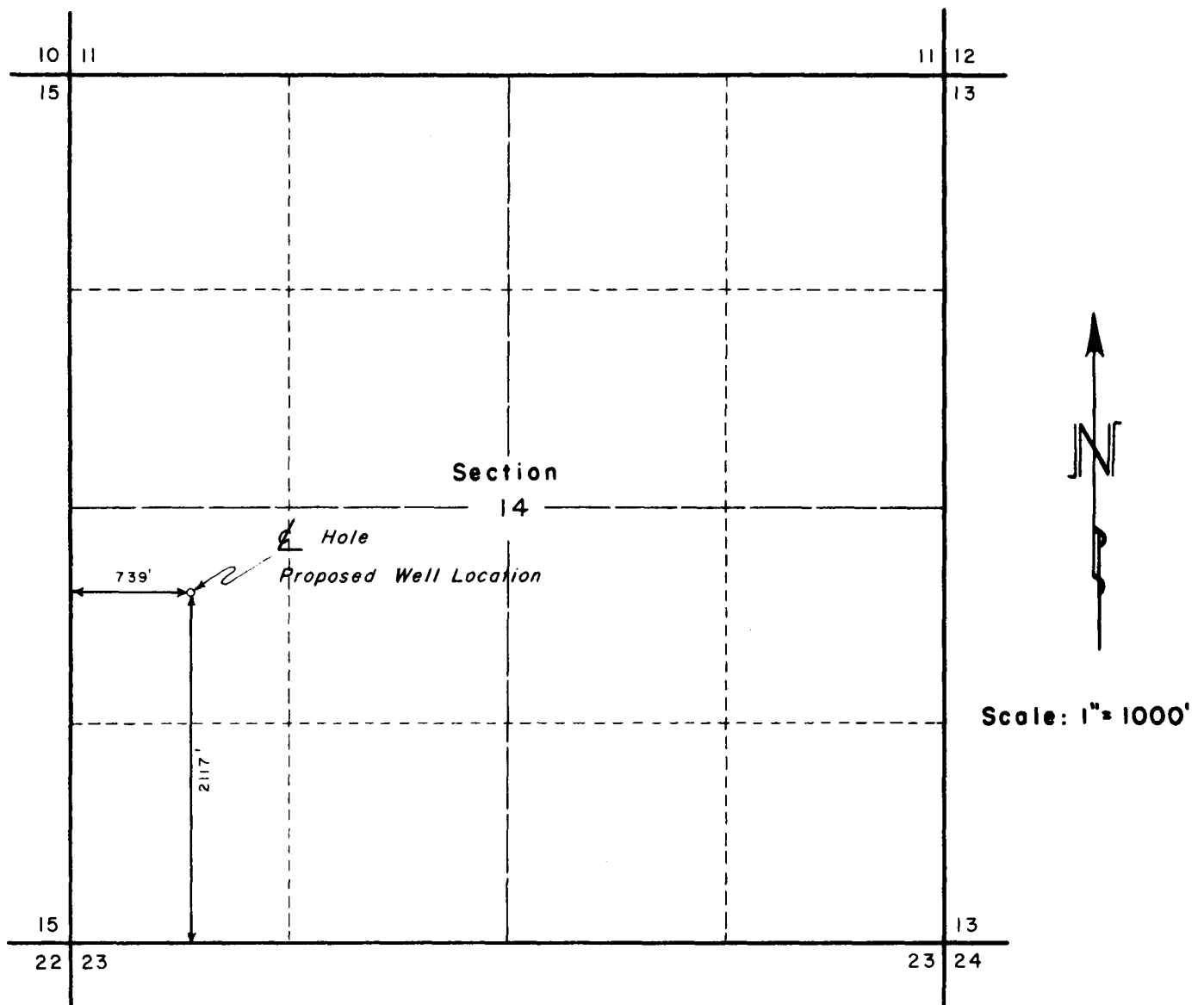
Cortez, Colorado

ORIGINAL SIGNED BY
D. D. KINGMAN

By D.D.Kingman

Title Engineer

CERTIFICATE OF SURVEY



WELL LOCATION: THE SUPERIOR OIL CO. No. 13-14 (NAVAJO "E")

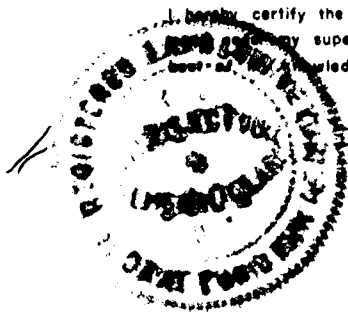
Located 2117 feet North of the South line and 739 feet East of the West line of Section 14
Township 41 South Range 24 East Salt Lake Meridian
San Juan County, Utah
Existing ground elevation determined at 4549 feet based on U.S.G.S. datum.

I hereby certify the above plat represents a survey
made under my supervision and is accurate to the
best of my knowledge and belief.

Elmer M. Clark

ELMER M. CLARK
Registered Land Surveyor
State of Utah (2307)

E.M. CLARK & ASSOCIATES
Durango, Colorado
July 27, 1960



BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF UTAH

IN THE MATTER OF THE APPLICATION)
OF THE SUPERIOR OIL COMPANY FOR)
AUTHORITY TO DRILL AN OFF PATTERN)
WELL IN THE GREATER ANETH AREA IN)
SAN JUAN COUNTY, UTAH.)

O R D E R

CAUSE NO. 35

This cause came on regularly for hearing on the 12th day of September, 1960, and the following appearances were made: For Applicant Superior Oil Company: E. F. Patman and Brigham E. Roberts; For Texaco, Inc.: Clair M. Senior; for Standard Oil of California Western Operations, Inc.: Donald E. Schwinn; for Continental Oil Company: Gordon H. Mayberry; and for Humble Oil Company: William F. Livingston; and it further appearing that Notice of the Hearing on this Application of Superior Oil Company was duly and regularly published as required by law, and no one appearing in opposition or to protest said application, and upon evidence duly submitted, and after due consideration and deliberation, now, therefor,

IT IS HEREBY ORDERED that the Applicant Superior Oil Company be, and it hereby is permitted and authorized to drill an off pattern well in the NW quarter of the SW quarter of Section 14, Township 41 South, Range 24 East, San Juan County, Utah, not less than 500 feet from any property or lease line or governmental quarter quarter section line;

IT IS FURTHER ORDERED that the allowable on said well be, and it hereby is set at 60%;

IT IS FURTHER ORDERED that the Commission hereby retains jurisdiction of this Cause to make such further order, or orders, as may be reasonable.

DATED this 3rd day of October, 1960.

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

/s/ EDWARD W. CLYDE
EDWARD W. CLYDE
Presiding Commissioner

/s/ C. R. HENDERSON, Chairman
C. R. HENDERSON, Chairman

/s/ M. V. HATCH, Commissioner
M. V. HATCH, Commissioner

/s/ WALTER G. MANN, Commissioner
WALTER G. MANN, Commissioner

/s/ C. S. THOMSON, Commissioner
C. S. THOMSON, Commissioner

October 10, 1960

The Superior Oil Company
P. O. Drawer 'G'
Cortez, Colorado

Attention: D. D. Kingman, Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 'B' 13-14, which is to be located 2117 feet from the south line and 739 feet from the west line of Section 14, Township 41 South, Range 24 East, SLEH, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted in accordance with the order issued in Cause #35 on October 3rd, 1960, a copy of which is attached.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,
EXECUTIVE SECRETARY

CBF:awg

cc: F. T. McGrath, Dist. Eng.
U. S. Geological Survey

H. L. Coombs - OGCC, Moab

2

	14	
X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Window Rock
Allottee **Navajo**
Lease No. **14-20-603-370**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 13, 19 **60**

Navajo 'E'
Well No. **13-14** is located **2117** ft. from **SW** line and **739** ft. from **W** line of sec. **14**

NW SW Section 14 (1/4 Sec. and Sec. No.)	41S (Twp.)	24E (Range)	SLB&M (Meridian)
White Mesa (Field)	San Juan (County or Subdivision)	Utah (State or Territory)	

The elevation ~~5120~~ above sea level is **4559** ft. **K.B.**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: 10-10-60

Completed: 11-24-60

T.D.: 5570' P.B.T.D.: 5540'

Casing: 9-5/8" 32.30# set at 99' with 75 sacks
7" 20# set at 1306' with 600 sacks
4-1/2" 9.50# set at 5570' with 250 sacks

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Superior Oil Company**

Address **P. O. Drawer 'G'**

Cortez, Colorado

ORIGINAL SIGNED BY
D. D. KINGMAN

By **D.D. Kingman**

Title **Engineer**

Electric Log Logs:

Ismy	5232'	
Gothic Shale	5387'	
Desert Creek	5398'	(-840')

Perforations:

5407'-21', 5462'-66', 5470'-78', 5492'-96' 30'-120 jet shots

Drill Stem Tests - None

Treatments:

11-22-60 Acid Job #1 (Perfs 5407'-5496', Tbg. @ 5502', Fkr. @ 5375')
Acidised w/200 gal HDA & 4500 gal ret. acid in 3 equal stages
using 2-100 gal temp. plugs between stages. M.P. 3800#/1500#.

Tubing:

2" 4.70# J-55 8-2 8Rd EUE hung	5529'
Pump Shoe	5487'
Baker Compensator	5477'
10' perf'd pup one joint off bottom, bottom joint bull plugged with gas anchor	

Initial Production:

12-4-60 Pumped 127 barrels in 24 hours
40.6°, 2% water, 15 x 34" SPM, 140#/160#

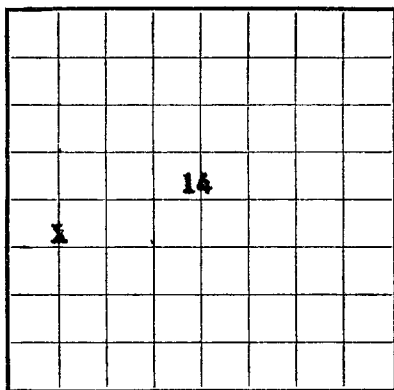
112
15

Santa Fe

U. S. LAND OFFICE **14-20-603-370**

SERIAL NUMBER **Navajo**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address P. O. Drawer 'C' - Cortez, Colorado

Lessor or Tract Navajo 'E' Field White Mesa State Utah

Well No. 13-14 Sec. 14 T. 41S R. 24E Meridian SLB&M County San Juan

Location 2117 ft. N. of S Line and 739 ft. E. of W Line of Section 14 Elevation 4559' K.B.
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed D. D. Kingman
ORIGINAL SIGNED BY
D. D. KINGMAN

Date December 13, 1960 Title Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling October 10, 1960 Finished drilling November 10, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>5232</u> to <u>5387</u>	No. 4, from _____ to _____
No. 2, from <u>5398</u> to <u>5496</u>	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____	No. 3, from _____ to _____
No. 2, from _____ to _____	No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	32.90	8	Steel	1000	Plug	Surface	5462	5466	Conductor
7"	28.8	8	Steel	1000	Plug	Surface	5470	5476	Production
4-1/2"	9.50	8	Steel	5570	Plug	Surface	5492	5496	Production
HISTORICAL RECORD OF OIL OR GAS WELL							5462	5466	
							5470	5476	
							5492	5496	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	99'	75	Circulated to surface		
7"	1306'	600	Circulated to surface		
4-1/2"	5570'	250	Pump & plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Pump & plug

PLUGS AND ADAPTERS

Heaving plug—Material

Length

Depth set

Adaptive Material

Size

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from Surface feet to 5570' feet, and from _____ feet to _____ feet

Cable tools were used from ----- feet to ----- feet, and from ----- feet to ----- feet

DATES

_____, 19____

Put to producing -----**12-4**-----, 19**60**..

The production for the first 24 hours was 127 barrels of fluid of which 98% was oil; -----% emulsion; 2% water; and -----% sediment. Gravity, °Bé. 40.6°

Gravity, °Bé. 40.6°-----

If gas well, cu. ft. per 24 hours

Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in.

EMPLOYEES

_____, Driller

_____, Driller

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		5232'	Ismay
		5387'	Gothic Shale
		5398' (-840')	Desert Creek

/lbc

[OVER]
LOUVIATION RECORD-Continued

16-43094-4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT (Other
verse side) TF
rue. ICATE*
on re-Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME A-1-192
2. NAME OF OPERATOR Phillips Petroleum Company	8. FARM OR LEASE NAME Cubberford Unit
3. ADDRESS OF OPERATOR P. O. Drawer 1150, Cortez, Colorado 81321	9. WELL NO. (Formerly Superior K14-13 (Navajo "B" 13-14)
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2117' FSL and 739' FSL of Sec. 14 NW SW Sec. 14	10. FIELD AND POOL, OR WILDCAT Greater South
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 454.9 ungraded ground
	11. SEC. T., R., M. OR BLM. AND SURVEY OR AREA 14-15-24E 31EN
	12. COUNTY OF ARIZONA Mohave
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Acidize well with 8000 gallons acid as follows:

3000 gallons 15% acid with 2 gallons A-110, 2 gallons W-35 and 2 1/2 J-120 per 1000 gallons of acid; 3000 gallons lease crude with 8 gallons J-105 per 1000 gallons of crude; 30 - 7/8" rubber covered nylon balls; 3000 gallons 15% acid with 2 gallons A-110, 2 gallons W-35 and 2 1/2 J-120 per 1000 gallons acid; 3000 gallons lease crude with 8 gallons J-105 per 1000 gallons of crude; 30 - 7/8" rubber covered nylon balls; 2000 gallons 15% acid with 2 gallons A-110, 2 gallons W-35 and 2 1/2 J-120 per 1000 gallons acid; and 3000 gallons lease crude with 8 gallons J-105 per 1000 gallons lease crude. Return to producing status.

Present Production: 4 BOFPD, 18 MCFOPD, 0 BWPD.

18. I hereby certify that the foregoing is true and correct

SIGNED

C. H. Dolan

TITLE

District Superintendent

DATE

1-20-66

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT
(Other side)
verse side)FICATE*
on re-Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. 11-20-603-370
2. NAME OF OPERATOR Phillips Petroleum Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME None
3. ADDRESS OF OPERATOR Denver 1150, Carter, Colorado 80321	7. UNIT AGREEMENT NAME 11-1-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2117' FSL and 739' FSL of Sec. 14 NW SW Sec. 14	8. FARM OR LEASE NAME Bathurst Unit
14. PERMIT NO.	9. WELL NO. (Formerly Superior) 211-13 (None) "T" 13-14
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4549 ungraded ground	10. FIELD AND POOL, OR WILDCAT Greater South
	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 11-413-212 GLEN
	12. COUNTY OR TERRITORY San Juan
	13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On May 2, 1966 moved in well service unit. Pulled rods and tubing, reran tubing with Baker retrievable packer and set at 5359'. Acidized with 8000 gallons 15% acid, 8350 gallons lease crude and 60 ball sealers in 3 stages as follows: FIRST STAGE: 3000 gallons acid, 3000 gallons crude oil, thirty 7/8" nylon balls. SECOND STAGE: 3000 gallons acid, 3000 gallons crude oil, thirty 7/8" nylon balls. THIRD STAGE: 2000 gallons acid, 2350 gallons crude oil. Swabbed well. Pulled tubing with packer, reran tubing and rods, started pumping.

PREVIOUS PRODUCTION: 4 BOPD, 16 MCF/D, 0 BWPD.

PRESENT PRODUCTION: 8 BOPD, 30 MCF/D, 1 BWPD.

18. I hereby certify that the foregoing is true and correct

SIGNED C. H. Bolan

District Superintendent

DATE 6-9-66

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

PHILLIPS PETROLEUM COMPANY
P. O. Drawer 1150
Cortez, Colorado

June 30, 1966

In re: Ratherford Unit Monthly Operating Report -
May 1966

Page No. 2

III. SUCKER ROD FAILURES

There were 28 rod jobs required during May.

<u>TYPE JOB</u>	<u>Number</u>
Rod Breaks (Includes pin and coupling failures)	28
Rod Replacements (Includes partial string and coupling replacements per- formed at time of above breaks)	3

IV. WORKOVERS

Ratherford Unit EL4-13 (Acid Job)

On May 2, 1966 acidized well with 8000 gallons 15% regular acid, 8350 gallons lease crude oil and 60 ball sealers in three stages as follows: FIRST STAGE: 3000 gallons acid, 3000 gallons crude, 30 nylon balls. SECOND STAGE: 3000 gallons acid, 3000 gallons crude, 30 nylon balls. THIRD STAGE: 2000 gallons acid, 2350 gallons crude. Production increased from 4 BO and 0 BW per day before the treatment to 8 BO and 1 BW per day following the treatment.

(Cont'd page 3)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME SW 7-4392
2. NAME OF OPERATOR Phillips Petroleum Company	8. FARM OR LEASE NAME Rutherford Unit
3. ADDRESS OF OPERATOR Box 2920, Casper, Wyoming 82601	9. WELL NO. R16-13
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2117' FSL & 729' FWL of Sec. 14 NW, SW Sec. 14	10. FIELD AND POOL, OR WILDCAT Greater Aneth
14. PERMIT NO.	11. SEC., T., R., MC, OR BEK. AND SURVEY OR AREA 14-418-244 S14M
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4549 Ungraded Ground	12. COUNTY OR PARISH San Juan
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Isolate casing leak with retrievable bridge plug and squeeze tool. Squeeze leak with 200 sx. Class "C" cement w/ 0.6% low fluid loss additive. Drill out and pressure test to 1000#. Retrieve bridge plug and return to pumping.

Present Status: Shut down 10-31-72 - Tubing stuck.
Prior to Shut Down - Pump 9 BOPD, 4 MCFGPD, 79 BHP

18. I hereby certify that the foregoing is true and correct

SIGNED F. C. Morgan TITLE Production Superintendent DATE 1-5-73
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

- 3 - USGS - Farmington, New Mexico
- 2 - Utah O&GCC - Salt Lake City, Utah
- 1 - File

*See Instructions on Reverse Side

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR Phillips Oil Company 3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See Attached		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓ 6. IF INDIAN, ALLOTTED OR TRIBE NAME Navajo 7. UNIT AGREEMENT NAME Rutherford Unit ✓ 8. FARM OR LEASE NAME 9. WELL NO. 10. FIELD AND POOL, OR WILDCAT N/A 11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA See Attached 12. COUNTY OR PARISH San Juan 13. STATE Utah
14. PERMIT NO. See Attached	15. ELEVATIONS (Show whether OF, AT, OR, etc.) 	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

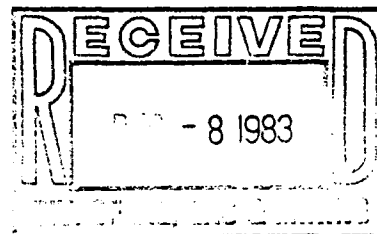
WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.

*100 copies
114-13*



Org. & 3-BLM

1-The Navajo Nation
1-Mary Wiley Black
1-Lawrence E. Brock
1-Chevron USA
1-Ralph Fixel
1-Royal Hogan
1-W. O. Keller
1-Dee Kelly Corp.

1-Robert Klabzuba
1-Micheal J. Moncrief
1-Richard B. Moncrief
1-Lee W. Moncrief
1-Mary H. Morgan
1-W. A. Moncrief
1-W. A. Moncrief, Jr.
1-L. F. Peterson

1-Shell Oil Co.
1-Southland Royalty Co.
1-Superior Oil Co.
1-Leroy Shave
1-Texaco, Inc.
1-Wade Wiley, Jr.
1-Edwin W. Word, Jr.
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED *A. E. Stuart* A. E. Stuart TITLE Area Manager

DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
E14-12	SW NW Sec.14-T41S-R24E	43-037-15998	Act.
E14-13	NW SW Sec.14-T41S-R24E	43-037-15999	SI
10-44	SE SE Sec.10-T41S-R24E	43-037-30451	Act.
15-12	SW NW Sec.15-T41S-R24E	43-037-15715	Act.
15-14	SW SW Sec.15-T41S-R24E	43-037-15716	SI
15-22	SE NW Sec.15-T41S-R24E	43-037-30449	Act.
15-32	SW NE Sec.15-T41S-R24E	43-037-15717	Act.
15-33	NW SE Sec.15-T41S-R24E	43-037-15718	SI
15-41	NE NE Sec.15-T41S-R24E	43-037-15719	Act.
15-42	SE NE Sec.15-T41S-R24E	43-037-3-448	SI
16-12	SW NW Sec.16-T41S-R24E	43-037-15720	Act.
16-14	SW SW Sec.16-T41S-R24E	43-037-15721	Act.
16-32	SW NE Sec.16-T41S-R24E	43-037-15723	Act.
16-34	SW SE Sec.16-T41S-R24E	43-037-15724	SI
16-41	NE NE Sec.16-T41S-R24E	43-037-15725	Act.
17-12	SW NW Sec.17-T41S-R24E	43-037-15726	Act.
17-14	SW SW Sec.17-T41S-R24E	43-037-15727	Act.
17-23	NE SW Sec.17-T41S-R24E	43-037-15728	Act.
17-32	SW NE Sec.17-T41S-R24E	43-037-15729	Act.
17-34	SW SE Sec.17-T41S-R24E	43-037-15730	Act.
17-41	NE NE Sec.17-T41S-R24E	43-037-15731	Act.
17-44	SE SE Sec.17-T41S-R24E	43-037-15732	Act.
18-11	NW NW Sec.18-T41S-R24E	43-037-15733	SI
18-13	NW SW Sec.18-T41S-R24E	43-037-15734	Act.
18-14	SW SW Sec.18-T41S-R24E	43-037-15735	Act.
18-23	NE SW Sec.18-T41S-R24E	43-037-30244	Act.
18-32	SW NE Sec.18-T41S-R24E	43-037-15736	Act.
18-34	SW SE Sec.18-T41S-R24E	43-037-15737	Act.
19-12	SW NW Sec.19-T41S-R24E	43-037-15739	Act.
19-14	SW SW Sec.19-T41S-R24E	43-037-15740	SI
19-32	SW NE Sec.19-T41S-R24E	43-037-15743	Act.
19-34	SW SE Sec.19-T41S-R24E	43-037-15744	Act.
20-12	SW NW Sec.20-T41S-R24E	43-037-15746	Act.
20-14	SW SW Sec.20-T41S-R24E	43-037-15747	Act.
20-32	SW NE Sec.20-T41S-R24E	43-037-15749	Act.
20-34	SW SE Sec.20-T41S-R24E	43-037-15750	Act.
21-12	SW NW Sec.21-T41S-R24E	43-037-15752	Act.
21-14	SW SW Sec.21-T41S-R24E	43-037-15753	Act.
21-23	NE SW Sec.21-T41S-R24E	43-037-13754	Act.
21-32	SW NE Sec.21-T41S-R24E	43-037-15755	Act.
21-33	NW SE Sec.21-T41S-R24E	43-037-30447	SI
21-34	SW SE Sec.21-T41S-R24E	43-037-15756	Act.
22-12	SW NW Sec.22-T41S-R24E	43-037-15757	SI
22-14	SW SW Sec.22-T41S-R24E	43-037-15758	SI
24-42	SE NE Sec.24-T41S-R24E	43-037-15863	Act.
28-11	NW NW Sec.28-T41S-R24E	43-037-30446	Act.
28-12	SW NW Sec.28-T41S-R24E	43-037-15336	Act.
29-12	SW NW Sec.29-T41S-R24E	43-037-15337	Act.
29-32	SW NE Sec.29-T41S-R24E	43-037-15339	Act.

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back any oil or gas well.
Use "APPLICATION FOR PERMIT" for such proposals.)

B. LEASE DESIGNATION AND SERIAL NO.

14-20-603-370

53

C. IF NECESSARY, ALLOCATED OR TRUSS NAME

Navajo

D. WELL ASSIGNMENT NAME

SW-I-4192

E. NAME OF LEASE NAME

Ratherford Unit

F. WELL NO.

E14-13

G. FIELD AND POOL, OR WILDCAT

Greater Aneth

H. SEC. 6, 8, 10, OR NE, SE, AND SOUTHWEST CORNER

Sec. 14-41S-24E

I. COUNTY OR PARISH

J. STATE

San Juan

Utah

1. NAME OF OPERATOR
OIL WELL ☒ GAS WELL ☐ OTHER ☐

Phillips Petroleum Company

2. ADDRESS OF OPERATOR
P. O. Box 2920, Casper, WY 826023. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

2117' FSL, 739' FWL (NW/SW)

4. PERMIT NO.

43-037-15999

5. ELEVATIONS (Show whether SP, ST, OR, etc.)

KB: 4558', GL: 4548'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PILL OR ALTER CASING

☐
☐
☒
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attachment for Well Data, Justification and Proposed Operation.

A 10' x 8' x 6' fenced pit will be constructed on location in a previously disturbed area. Upon completion of the workover, the pit will be dried and recovered.

5-BLM, Farmington, NM

2-Utah O&G CC, Salt Lake City, Utah

1- P. J. Adamson

1- B. Conner, 318 B-TRW

1- J. R. Weichbrodt

1- C. M. Anderson

1- File RC

Federal approval of this action
is required before commencing
operationsACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MININGDATE: 9/4/85
BY: John R. Baya

18. I hereby certify that the foregoing is true and correct

SIGNED

D. C. Gill

TITLE

Area Manager

DATE

August 26, 1985

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RATHERFORD UNIT WELL E14-13

Item 17

WELL DATA:

9-5/8" 32# csg @ 99' w/75 sx cmt.
7" 23# csg @ 1306' w/775 sx cmt.
4-1/2" 9.5# csg @ 5570' w/250 sx cmt. (Max. Calc. TOC = 2600')

Perfs @ 5407'-5421', 5462'-5466', 5470'-5478', 5492'-5496'

Formation Tops: Dechelly @ 2430'
Hermosa @ 3970'
Ismay @ 5230'
Desert Creek @ 5397'

TD: 5570', PBTD: 5540'

Fish in well: 16 jts 2-3/8" tbg, Anchor, 3 jts 2-3/8" tbg.
Top of fish: 4875', Anchor: 5371', Bottom of fish: 5464'.
Will not make any further attempts to recover fish.

JUSTIFICATION:

The well does not have economical production and has no recompletion or stimulation potential.

PROPOSED OPERATION:

- 1) Sqz perfs w/100 sx cmt. TOC @ 4850'.
- 2) Spot 25 sx cmt in 4-1/2" csg from 4070' to 3870' across Hermosa.
- 3) Perf 4-1/2" csg @ 2700'.
- 4) Pump 75 sx cmt to provide 350' balanced plug in annulus and 4-1/2" csg from 2700' to 2350' to isolate the Dechelly Fm.
- 5) Perf 4-1/2" csg @ 1360'.
- 6) Pump 40 sx cmt to provide 160' balanced plug in annulus and in 4-1/2" csg from 1360' to 1200' to provide a plug across 7" surf csg shoe.
- 7) Pump 25 sx cmt plug in annulus and 4-1/2" csg to provide 100' plug to surface.
- 8) Install P&A marker, unless surface owner requests otherwise, and rehab surface.
- 9) Will use mud-laden fluid between all cmt plugs.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Expires August 31, 1985

102105

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. 14-20-603-370	
2. NAME OF OPERATOR Phillips Petroleum Company		4. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, Wyoming 82602		7. UNIT ASSIGNMENT NAME SW-I-4192	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2117' FSL, 739' FWL (NW/SW)		8. FACE OR LEASE NAME Ratherford Unit	
14. PERMIT NO. 43-037-15999		9. WELL NO. E14-13	
15. ELEVATIONS (Show whether SF, ST, GR, etc.) KB: 4558', GL: 4548'		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 14-41S-24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Due to current economic conditions, approval is requested to keep well shut in until conditions improve.

RECEIVED
OCT 10 1986

**DIVISION OF
OIL, GAS & MINING**

5-BLM, Farmington, NM
2-Utah O&G CC, Salt Lake City, Utah
1-P. J. Adamson
1-M. Williamson, 302 TRW
1-J. R. Reno
23 1-B. J. Murphy
1-File RC

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]
D. C. GILL

TITLE Area Manager

DATE 10-13-86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 10-17-86

BY John R. Baya

General approval of this action
is required before commencing
operations.

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-370 SOW-15-A
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo 122803
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME SW-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2117' FSL, 739' FWL (NW/SW)		8. FARM OR LEASE NAME Ratherford Unit
14. PERMIT NO. 032 43-307-15999		9. WELL NO. #E14-13
15. ELEVATIONS (Show whether DF, HT, OR, etc.) KB" 4558', GL: 4548'		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14-T41S-R24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETION	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was plugged November 21, 1987. See attached for
Well Data and Summary of Completed Operations.

5-BLM, Farmington, NM
2-Utah O & G CC, Salt Lake City, UT
1-P. J. Konkell
1-J. R. Reno
1-File - RC
1-M. Williams 1370 G POB

18. I hereby certify that the foregoing is true and correct

SIGNED D. C. Gill
(This space for Federal or State office use)

TITLE Area Manager

DATE December 7, 1987

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 12-21-87

*See Instructions on Reverse Side

Rutherford Unit E14-13

Item 17

Well Data:

RKB: 4558' GL: 4548'

9-5/8", 32# casing @ 99' w/ 75 sx cement
7 ", 23# casing @ 1306' w/ 775 sx cement
4-1/2", 9.5# casing @ 5570' w/ est. top of cement @ 2600'
No casing was recovered.

Perfs @ 5407-5421', 5462-5466', 5470-5478', 5492-5496'

Formation tops: Hermosa @ 4380'
 Desert Creek @ 5398'

PBTD: 5540'

Completed Operations:

1. POOH w/ 45 3/4" rods laying down. Forty-sixth rod parted.
2. Attempted to pull tubing. Anchor catcher would not release.
3. RIH w/ rod fishing tools, were within 70' of parted rods and stacked up. POOH, RIH w/ tools again, stacked up.
4. Pulled on tubing. Tubing parted at unknown spot. Attempted to circulate. No circulation @ 500 psi. POOH w/ tubing 14 joints, well was blowing. Bled well down.
5. POOH w/ tubing slowly, circulating hole. Recovered 140 jts tubing, 179 rods. Tubing was parted on 141st joint, and rods were parted on 180th rod. Still in hole: 14-1/2 joints tubing, seating nipple, anchor catcher, 13 3/4" rods, and pump.
6. RIH w/ tubing. Stacked up solid on 75th joint. Suspected casing part.
7. RIH w/ 3-1/4" swage, 3-7/8" overshot, tubing muleshoe, and flat mill in attempts to get into parted casing.
8. RIH w/ bent muleshoe, entered casing and tagged fill at 4171'. Tubing plugged off.
9. RIH w/ sand line to tag blockage at 2650'. POOH w/ tubing. Tubing stuck solid on 4th joint out. RIH w/ backoff. Back off tubing at 2338', POOH w/ 2338' tubing.
10. RIH w/ bumper sub, hydraulic jars and screwed back onto tubing. Bumped down on tubing and freed tubing.
11. Obtained permission from BLM to spot 300' cement plug from 2630' to 2370' and to circulate balanced plug down 4-1/2" casing and up 4-1/2"-7" annulus.
12. Spotted 18 sx cement plug from 2633' to 2369'.
13. RIH w/ freepoint and backoff tools. Shot string shot and backed off tubing at 2333'. POOH w/ 74 jts tubing.
14. Circulated 432 sx cement down 4-1/2" casing and up 4-1/2"-7" annulus to create balanced plug from 2333' to surface.
15. Cut 4-1/2 and 7" casings off 4' below GL. Welded 3/8" plate on 7" casing and installed inscribed permanent monument.
16. Filled pit and cleaned up location.

DOWNHOLE SCHEMATIC

WELL: E 14-13

RKB: 4558'

GL: 4548'

CURRENT

CONVERTER
CSG

9 5/8" 32#
99'

SURFACE CSG

7" 23#
1306'

ETOC

2600'

(19 JTS.) PUMP w/ ANCHOR CATCHER
TUBING @ 4870'
FISH IN HOLE BELOW
WILL NOT RETRIEVE

PERFS 5407-21 5462-66
5470-78 5492-96

POTD

5540'

PROD. CSG

4 1/2" 9.5#
5570'

FISH IN HOLE

COMPLETED

432 SX CMT
BALANCED PLUG
2333' TO SURFAC

TUBING FISH
2333-2633'

18 SX CMT
2633'-2369'
BALANCED PLUG

CASING PARTED
@ 2370'

14 1/2 JTS. T86.
13 3/4" RODS
PUMP
@ 4870'

FISH IN HOLE